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DERWENT-WEEK: 199944

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TITLE: Fishing lure for creating bubble trails

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PATENT-ASSIGNEE: PALMER M A[PALMI]

PRIORITY-DATA: 1997AU-0000376 (November 14, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
AU 9891388A	N/A	1998AU-0091388
November 5, 1998		

INT-CL (IPC): A01K085/00, A01K085/18 , A01K091/08

ABSTRACTED-PUB-NO: AU 9891388A

BASIC-ABSTRACT:

NOVELTY - The lure comprises a head (13) with a hole (14) at the rear allowing another hole (15) at the center piece (16) to be attached. Spinning fins (17) are located over the center piece with a tail (18) in position and attached over the hole (19) on the hollow piece. A thread (20) allows adaptable sizes or designs to be used. All parts can be made a hard or soft bodied material e.g. steel, plastic, polyurethane or a rubber substance.

USE - A hollow multi adaptable, air circulated propelled fishing lure with an optional tail piece for increasing sound and vibration swelling, creating a

large bubble trail.

ADVANTAGE - The tail can be left or can have an optional tail piece such as skirts, feathers or similar materials to suit the anglers needs. The head, center piece and tail does not spin eliminating line twist.

DESCRIPTION OF DRAWING(S) - Figure of a head, center piece, spinning fin and tail.

Head 13

Hole of head 14

Front hole of hollow piece 15

Center piece 16

Spinning fins 17

Tail 18

Rear hole of hollow piece 19

Threaded section 20

CHOSEN-DRAWING: Dwg.5/12

TITLE-TERMS: FISH LURE BUBBLE TRAILING

DERWENT-CLASS: P14

SECONDARY-ACC-NO:

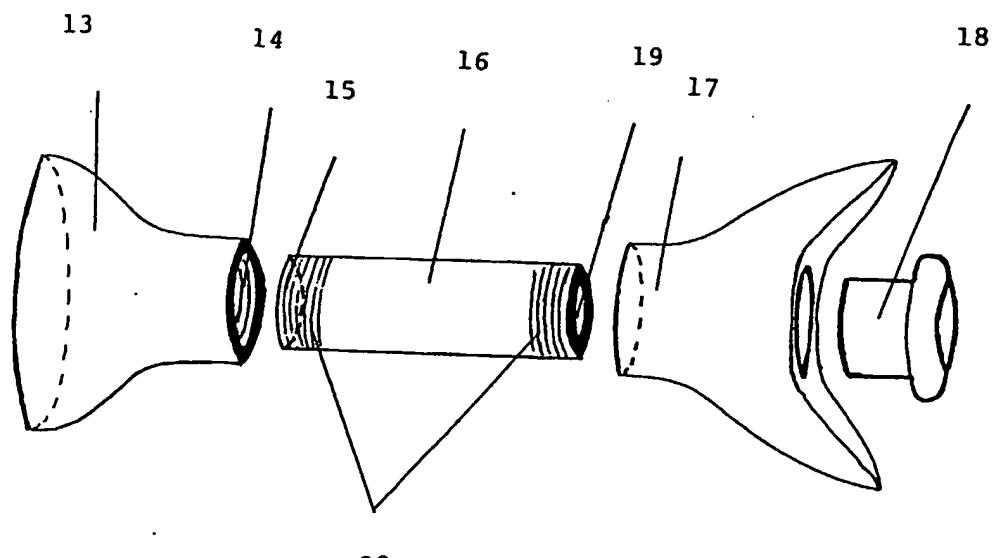
Non-CPI Secondary Accession Numbers: N1999-386007

ABSTRACT

A hollow multi adaptable, air circulated propelled lure is disclosed. The device is a hollow cylindrical object used as a centre piece 16 with a head 13 and tail 18 at each end. One or more sets of spinning fins 17 are positioned over the hollow centre piece 16 and are locked in by the head 13 and tail 18 but are free to spin. Either or both the head 13 and tail 18 can be attached to the centre piece 16 with thread 20 to allow for adaptable changes to be made. The tail 18 can be left as is or can have an optional tail piece attached 42 to suit the anglers needs.

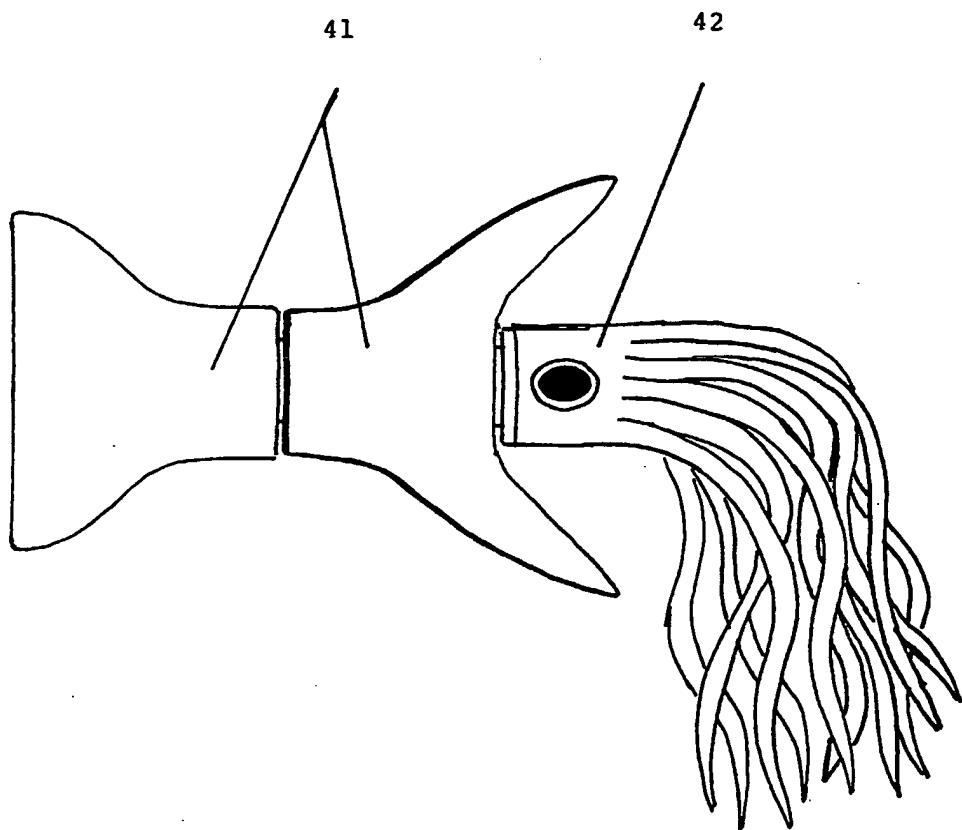
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Figure 5



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Figure 12



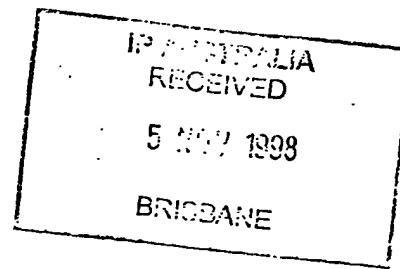
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COMPLETE SPECIFICATION
STANDARD PATENT

HOLLOW MULTI ADAPTABLE, AIR CIRCULATED PROPELLED
LURE WITH OPTIONAL TAIL PIECES

Application No PPO376

The following statement is a full description of this invention, including the best method of performing it known to me:



HOLLOW MULTI ADAPTABLE ,AIR CIRCULATED PROPELLED LURE WITH OPTIONAL TAIL PIECES

The invention relates to improvements in a lure to create bubble trails when trolling for large fish.

For many fisherman,trolling a lure is a successful way to catch fish.There are many different types of lures that range in shape,size and design.Fish are attracted to sound and vibrations.The invention is designed to increase sound and vibration aswell leaving behind a large bubble trail.

In one form of the invention, a hollow cylindrical object is used for a head. The head is attached to a hollow centre piece that is like a tube or pipe in appearance. A set of spinning fins of a form are positioned over the hollow centre piece and locked into position with the tail. The tail is a hollow object made to secure the spinning fins. The spinning fins are fixed to the centre piece but remain free to spin.

In another form of the invention, the hollow centre piece can have more then one set of spinning fins of a form. They are positioned over the hollow centre piece.A sleeve or sleeve's are positioned between the spinning fins to reduce friction and allow for spinning fins to spin in opposite directions.

In another form of the invention the hollow multi adaptable air circulated propelled lure will spray bubbles in different directions. The head is made of material to enable it to float. When surfaced, the air caught in the hollow head is forced by forward motion through the hollow centre piece. The hollow centre piece has holes along it's given length. The spinning fins have holes through from the inner to outer surface. As the fins turn whilst in forward motion, air is forced out in different directions.

... The head and tail can be attatched to the hollow centre piece with glue, can be welded or any suitable form of fixation. They can be attatched by thread to allow for different styles or designs to be used. Either the head and tail or both can be made with the hollow centre piece as one complete body. The spinning fins are then made in seperate pieces and fixed together over the hollow centre piece by any suitable form of fixation.

... In each form of the invention, the tail can be left as is, or may have an optional tail piece attatched such as skirts ,feathers or simalar material. The head, centre piece and tail will not spin eliminating line twist.
All parts used on the hollow multi adapable, air circulated propelled lure can be made of either or both hard and soft bodied material.eg Steel, Plastic, Polyurethane or Rubber substance.

In the drawings :

FIG.1 shows an example of a hollow head used for a hollow multi adaptable, air circulated propelled lure.

FIG.2 shows an example of the hollow centre piece for a hollow multi adaptable, air circulated propelled lure.

FIG.3 shows an example of a set of spinning fins for a hollow multi adaptable, air circulated propelled lure .

FIG.4 shows a tail for a hollow multi adaptable, air circulated propelled lure .

FIG.5 shows an example of a head, centre piece, spinning fins and tail prior to assembly.

FIG.6 shows an example of a hollow multi adaptable, air circulated propelled lure once assembled.

FIG.7 shows an example of a hollow multi adaptable, air circulated propelled lure with three sets of spinning fins.

FIG.8 shows an example of a hollow centre piece with holes along it's given length.

FIG.9 shows an example of a set of spinning fins with holes from the inner to outer surface.

FIG.10 shows an example of a head, centre piece and tail as a complete body.

FIG.11 shows an example of a set of spinning fins in seperate pieces.

FIG.12 shows an example of a complete hollow multi adaptable air circulated propelled lure with an optional tail piece attatched.

Referring to FIG 1 it can be seen that the head 1 is a hollow cylindrical object with an opening 2 at the front that continues right the way through to an opening 3 at the back.

FIG. 2 shows a hollow centre piece 4 with a hole at both ends 5 and 6.

FIG. 3 shows a set of spinning fins 7. It can be seen that the fins have an outer surface 8 and 9 that flares outwards.

FIG. 4 shows an example of a tail 10 with a hole at both ends 11 and 12.

Fig. 5 shows an example of a hollow multi adaptable, air circulated propelled lure prior to assembly. The head 13 has a hole 14 at the back to allow the hole 15 at the end of the hollow centre piece 16 to be attached. The spinning fins 17 are positioned over the centre piece 16. The tail 18 is then to be used to secure the spinning fins 17 in position by being attached over the hole 19 on the hollow centre piece 16. It can be seen that a thread 20 is used to allow for adaptable sizes or designs to be used.

Fig. 6 shows an example of parts used in FIG.5 to make a complete lure with one set of spinning fins 21.

FIG. 7 shows an example of a complete hollow multi adaptable, air circulated propelled lure with three sets of spinning fins 22, 23 and 24. It can be seen that the spinning fins 22, 23 and 24 are separated by a sleeve 25 and 26 that is positioned to reduce friction and or allow fins to spin in opposite directions.

FIG. 8 shows an example of a hollow centre piece 27 with holes 28, 29 and 30 from the inner to outer surface to release air that has been forced through to the hollow centre piece 27 from the hollow head.

FIG. 9 shows an example of a set of spinning fins 31 with holes 32, 33, 34 and 35 from the inner to outer surface. Air caught in the hollow head is forced through to the hollow centre piece and released out the holes 32, 33, 34 and 35 as fins spin from forward motion.

FIG. 10 shows an example of another form of assembly for a hollow multi adaptable, air circulated propelled lure with the head 36, centre piece 37 and tail 38 as a complete body.

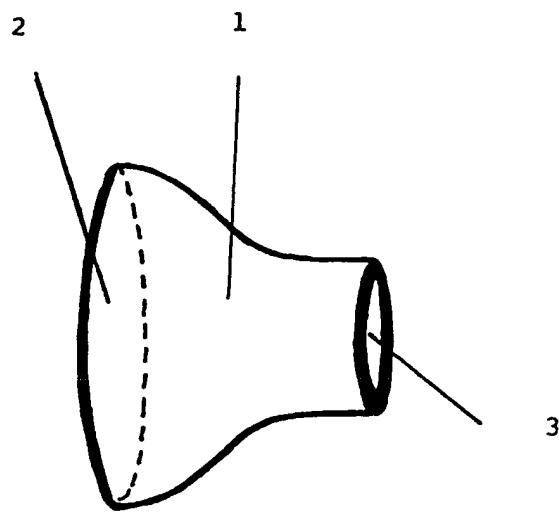
Fig. 11 shows an example of the spinning fins in separate pieces 39 and 40 prior to being fixed over the hollow centre piece.

FIG. 12 shows an example of a hollow multi adaptable, air circulated propelled lure 41 with an optional tail piece 42 attached to either or both, hide the hooks and make the lure look larger.

The claims defining the invention are as follows :

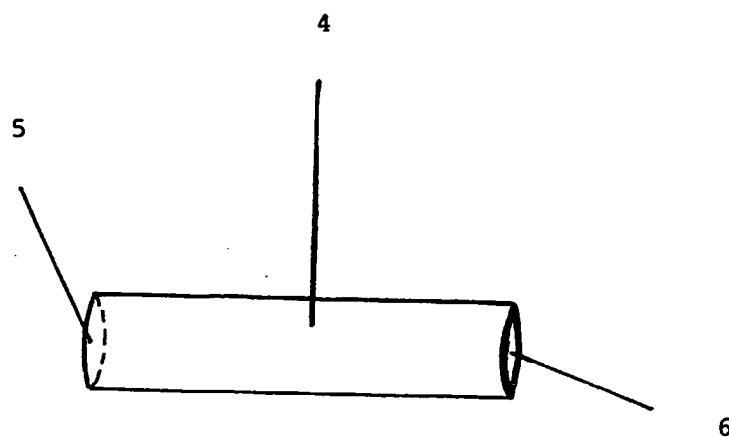
1. A hollow multi adaptable, air circulated propelled lure device comprising a hollow centre piece or pieces with a head and tail attatched each end with a set of spinning fins of a form that remain free to spin over the hollow centre piece, being locked into position by the head and tail.
2. A hollow multi adaptable, air circulated propelled lure device of claim 1 whereby a set of spinning fins has any number of fins on it's surface.
3. A hollow multi adaptable, air circulated propelled lure device of claims 1 and 2 whereby more than one set of spinning fins are positioned over the hollow centre piece.
4. A hollow multi adaptable, air circulated propelled lure device of claims 1 to 3 whereby the hollow centre piece has a hole or holes along it's given length from the inner to outer surface.
5. A hollow multi adaptable, air circulated propelled lure device of claims 1 and 2 whereby the spinning fins have a hole or holes through from the inner to outer surface.
6. A hollow multi adaptable, air circulated propelled lure device of claim 3 whereby a hole or holes through from the inner to outer surface appear on any or all of the spinning fins.
7. A hollow multi adaptable, air circulated propelled lure device of claims 1 to 6 whereby an optional tail piece is attatched to the tail.
8. A hollow multi adaptable, air circulated propelled lure device of any one of claims 1 to 7 where by either the head and tail or both along with the hollow centre piece, have a thread to allow for adaptable changes to be made.
9. A hollow multi adaptable. air circulated propelled lure device of any one of claims 1 to 7 where by the head,centre piece and tail are made as one complete body with spinning fins made in seperate pieces.then attatched by suitable form of fixation.
10. A hollow multi adaptable, air circulated propelled lure device of claims 1 to 9 that is made of either or both hard and soft bodied material.
11. A hollow multi adaptable, air circulated propelled lure with optional tail pieces substantially as herein described with reference to the accompanying drawings.

Figure 1



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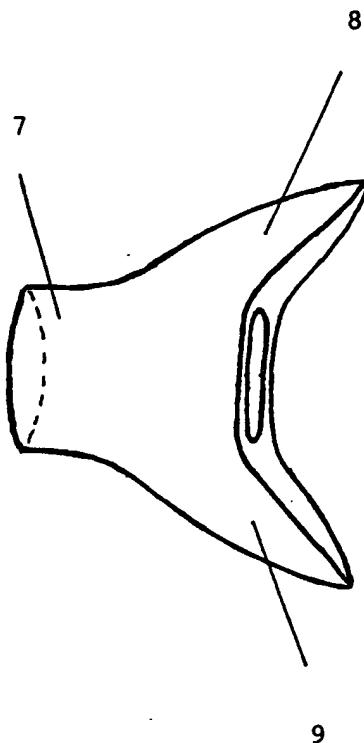
Figure 2



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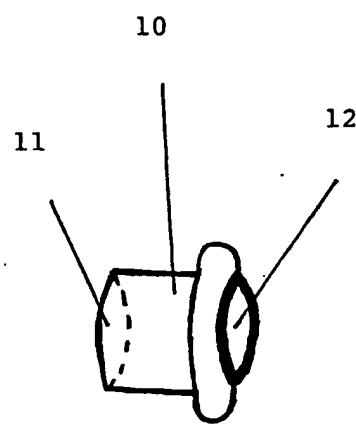
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Figure 3



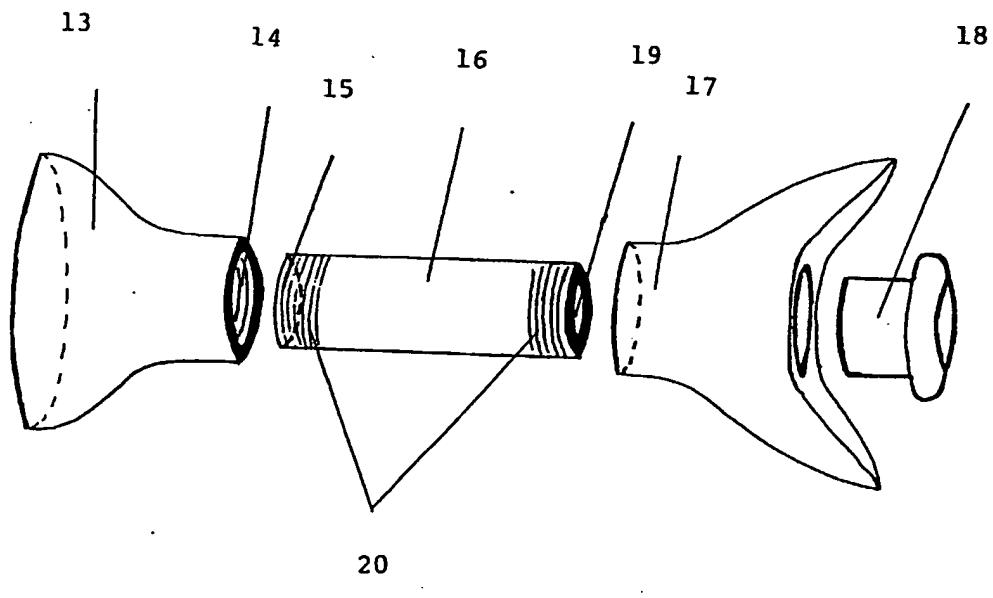
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Figure 4



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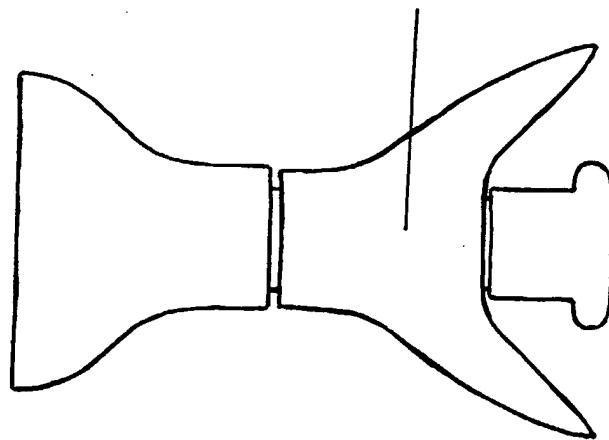
Figure 5



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Figure 6

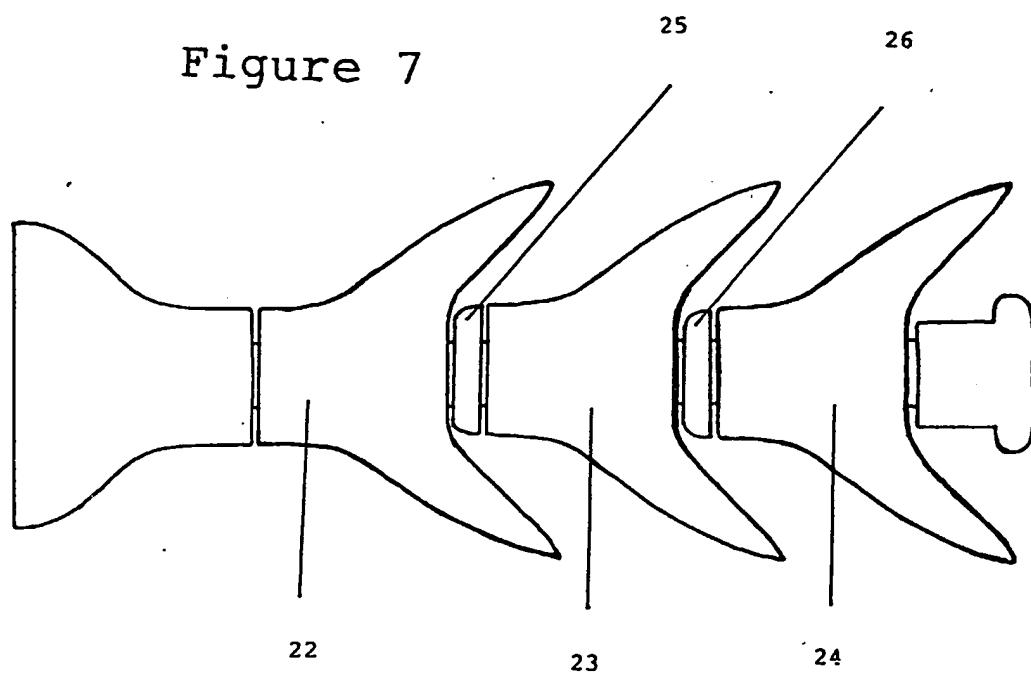
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Figure 7



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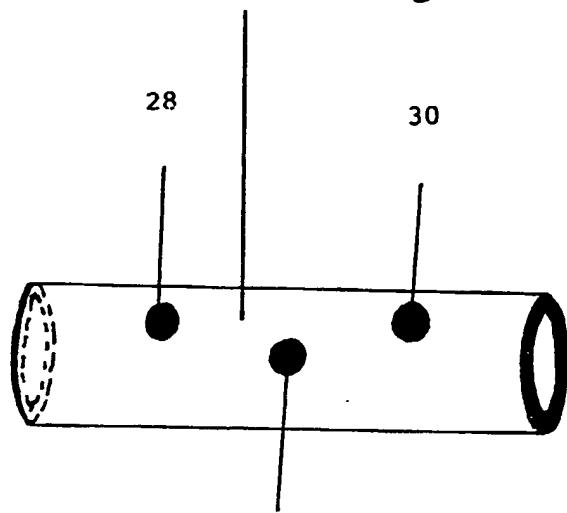
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Figure 8

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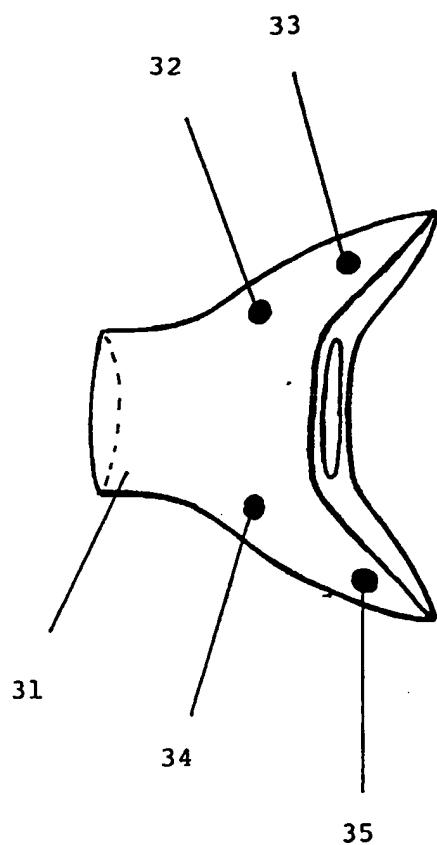
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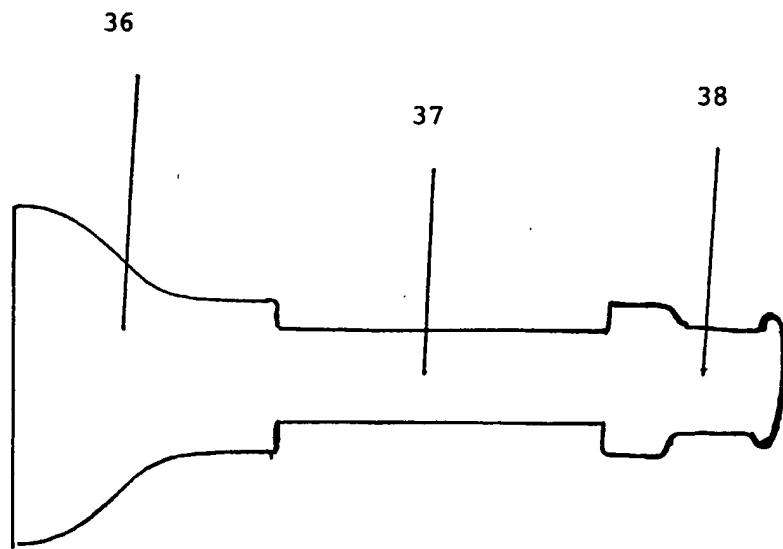
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Figure 9



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Figure 10

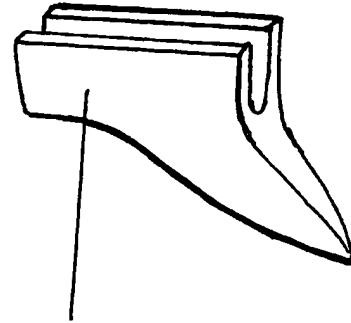
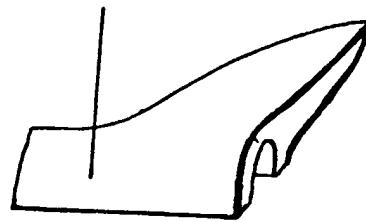


36
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38
39
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Figure 11

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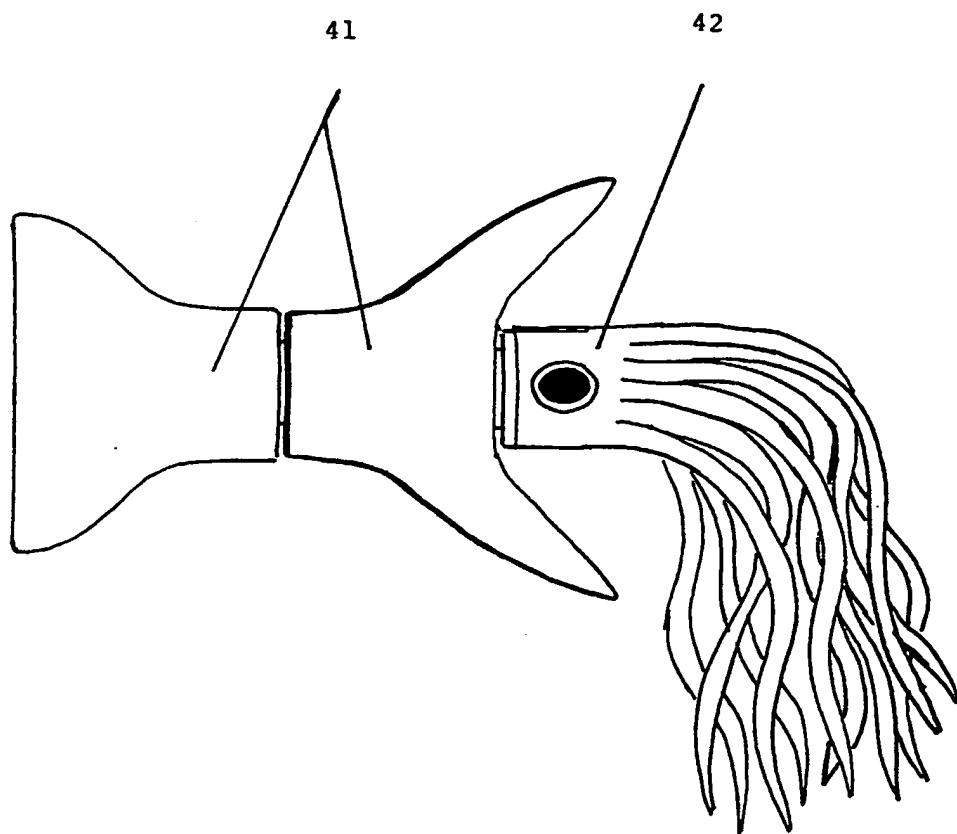


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Figure 12



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